

Appl. No. 10/668,169
Amendment dated: September 29, 2004
Reply to OA of: June 29, 2004

REMARKS

Applicants have amended the claims in order to more particularly define the invention taking into consideration the outstanding Official Action and the telephone interview conducted by the undersigned attorney with the Examiner on September 27, 2004. During this interview the undersigned attorney noted an apparent error in the rejections with respect to the inclusion of claim 12 in the rejection when it appears that claim 14 was intended in view of the indication that claim 12 was allowable. In the obviousness rejection on page 3 of the Official Action, claim 12 has been replaced with claim 14. This same change has been made in the body of this rejection on page 4. The Examiner agreed that this was correct and makes the rejections consistent with the indication of allowable subject matter for claims 10 and 12. That is, that the rejection was with respect to claim 14 and not claim 12.

Claims 10-15 have been amended to place these claims in condition for allowance. New claims 16-19 have been added to the application. These claims are dependent on allowable claims and are fully supported by the specification as it would be interpreted by one of ordinary skill in the art to which the invention pertains. Claims 1-9 have been canceled from the application without prejudice or disclaimer. The claims now remaining in the application are claims 10-19. Applicants most respectfully submit that all the claims now present in the application are in full compliance with 35 U.S.C. §112 and are clearly patentable over the references of record.

Response to Objections to the Drawings Under 37 C.F.R. 1.83 (a)

The drawings are objected to under 37 C.F.R. 1.83(a) because the drawings must show every feature of the invention specified in the claims. However, Applicants have rewritten allowable claims 10 and 12 in independent form including all of the

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limitations of the base claim and canceled claims 1-9 from the application. Therefore, the drawings show every feature of the invention specified in the claims which applicant regards as the invention and this objection is believed to be obviated. Accordingly, it is most respectfully requested that this objection be withdrawn.

Response to Objections to the Specification

Applicants have amended the claims of the present invention and rewritten claims 10 and 12 in independent form including all of the limitations of the base claim. Claims 1 to 9 have been canceled without prejudice or disclaimer. Therefore, the specification does not need provide "light enhanced unit" with reference number. Accordingly, it is most respectfully requested that this objection be withdrawn.

Response to Claim Rejections Under 35 U.S.C. § 112

Claim 6 is rejected under 35 U.S.C. § 112, as being indefinite for failing to particularly point out and distinctly claim. However, Applicants have amended the claims and have rewritten claims 10 and 12 in independent form including all of the limitations of the base claim. Applicants have also canceled claims 1 to 9. Therefore, the amended claims are distinguished from the prior art.

The Examiner's question of "light enhanced unit" and "semi-brightness angle" can be briefly explained as follows:

The semi-brightness angle is the angle between the direction of the half-intensity of brightness and the centered line vertical to the light source. In other words, the semi-brightness angle is the angle at which brightness becomes half, or the direction of 0.5n shown in the figure A, when the brightness of the center is n (see the figure A on the next page).

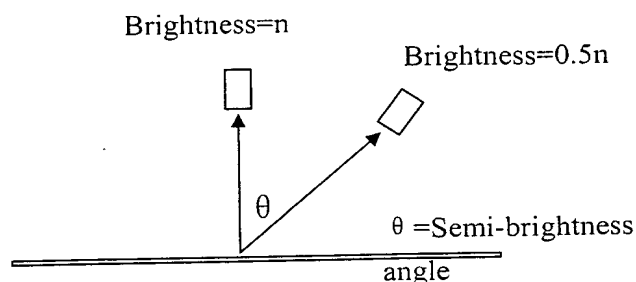


Fig. A

The light enhanced unit is a micro-lens array, which generally has a plurality of rhombus protrusions, a plurality of semi-circular or cylindrical surface for raising the semi-brightness angle of the light that passed through the surface. The light enhanced unit formed on a plate can refract light more directly toward the surface or direction perpendicular to the plate, which results in the raising of semi-brightness angle. Therefore, the light will condense to a narrow direction and the brightness is enhanced. Accordingly, it is most respectfully requested that this rejection be withdrawn.

Response to Claim Rejections Under 35 U.S.C. § 103(a)

The Official Action indicates that claims 1-5, 8, 9, 12, 15 of the presently claimed invention are rejected under 35 U.S.C. § 103(a) as being unpatentable over Agano (US 6,327,091) in view of Imai et al. (US 4,425,604).

The Official Action also indicates that claim 7 of the present patent application is rejected under 35 U.S.C. § 103(a) as being unpatentable over Agano and Imai et al. as applied to claim 1 above, and further in view of Mephram et al. (US 5,253,151).

Finally, the Official Action indicates that claims 11 and 13 of the present invention are rejected under 35 U.S.C. § 103(a) as being unpatentable over Agano and Imai et al. as applied to claim 1 above, and further in view of Davis et al. (US 5,822,029).


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Applicants most respectfully traverse these rejections in view of the amendments to the claims restricting the application to the subject matter indicated to be allowable in the Official Action. These amendments obviate the prior art rejections which should therefore be withdrawn.

In view of the foregoing remarks, reconsideration and allowance of the application are now believed to be in order, and such action is hereby solicited. If any points remain in issue that the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned attorney at the telephone number listed below.

Respectfully submitted,

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